

BALASHOV, V.V.; BELYAYEV, V.B.; ZAKHAR'YEV, B.N.

Dipole excitations of nuclei in the superfluid model. Zhur.
eksp. i teor. fiz. 42 no.5:1365-1370 My '62. (MIRA 15:9)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo
universiteta.

(Dipole moments) (Nuclear models) (Superfluidity)

BALASHOV, V.V.; FETISOV, V.N.

Supermultiple level structure and characteristics of the
(γ ,d) reaction on light nuclei. Izv. ANSSSR. Ser. fiz. 26
no. 9:1188-1189 S '62. (NIRA 15:9)

1. Nauchno-issledovatel'skiy institut yadernoy fiziki Miskovskogo
gosudarstvennogo univeristeta im. M. Lomonosova.
(Quantum theory) (Nuclear reactions)

BALASHOV, V.V.; BOYARKINA, A.N.

Spectroscopic approach to the description of the interaction
between fast nucleons and light nuclei. Izv. AN SSSR. Ser. fiz.
26 no.9:1196-1198 S '62. (MIRA 15:9)
(Nuclear reactions) (Nuclear models)

BALASHOV, V. V.

"Nuclear Reactions at High Energies and the Structure of Light Nuclei"

Report presented at the Conference on Nuclear Reactions produced by light nuclei,
Dubna, December 1962.

S/903/62/000/000/029/044
B102/B234

AUTHORS: Balashov, V. V., Shevchenko, V. G., Yudin, N. P.

TITLE: Consideration of residual interaction between the nucleons in a nucleus with the aim of interpreting photonuclear reactions in the region of giant resonance

SOURCE: Yadernyye reaktsii pri malykh i srednikh energiyakh; trudy Vtoroy Vsesoyuznoy konferentsii, iyul' 1960 g. Ed. by A. S. Davydov and others. Moscow, Izd-vo AN SSSR, 1962, 435-440

TEXT: The consequences of ignoring residual nucleon interaction in the Wilkinson model (Physica, 22, 1039, 1956) have already been investigated by Elliott and Flowers (Proc. Roy. Soc., A 242, 57, 1957) for the photo-disintegration of O^{16} . Similar calculations were made by the present authors for the Ca^{40} nucleus in dipole approximation when the quanta excite only the states with $J = 1^-$ and $T = 1$. It can be shown that when residual nucleon interactions are taken into account the nuclear excitation energy becomes raised. This makes it possible to explain the position of the

Card 1/2

Consideration of residual interaction...

S/903/62/000/000/029/044
B102/B234

giant resonance maximum without introducing the concept of an effective nucleon mass. The increase in level excitation energy is mainly determined by the diagonal part of residual interaction (2 - 3 Mev); the off-diagonal part due to displacement of configuration leads to a small additional increase of the dipole transition energy (1 - 1.5 Mev). The shift of states induced by residual interaction opens additional channels of decay of quasi-steady states formed on χ -quantum absorption. The great number of transitions thus arising in the spectra of low-energy nucleons have a statistical character. Hence taking account of residual interactions points to the microscopic nature of a decay via compound nucleus formation. The connection between the channels determined in shell-model calculations may serve as a basis for using a complex potential to interpret giant resonance. Residual interaction plays a particularly important role in the formation of energy spectra of photonuclear reaction products in the region of heavy nuclei where the proton excited levels decay mainly with neutron evaporation. There are 3 figures and 3 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki MGU im. M. V. Lomonosova (Scientific Research Institute of Nuclear Physics of MGU imeni M. V. Lomonosov)

Card 2/2

S/903/62/000/000/030/044
B102/B234

AUTHORS: Balashov, V. V., Petisov, V. N.

TITLE: The role of nucleon associations in deep photodisintegration of light nuclei

SOURCE: Yadernyye reaktsii pri malykh i srednikh energiakh; trudy Vtoroy Vsesoyuznoy konferentsii, iyul' 1960 g. Ed. by A. S. Davydov and others. Moscow, Izd-vo AN SSSR, 1962, 441-449

TEXT: Deep photodisintegration (i.e. γ, t or γ, α reactions) of light nuclei is investigated with the help of a method described in ZhETF, 37, 1385, 1959 on the basis of Maykov's experiments (Dissertation FIAN 1959) who studied the reaction $C^{12} + \gamma \rightarrow p + He^3 + He^4 + He^4 - 27.1 \text{ Mev}$; this reaction has two maxima at $E_\gamma \approx 45 \text{ Mev}$ and $E_\gamma = 60 - 65 \text{ Mev}$. Maykov has assumed that this reaction takes place in two stages: $C^{12} + \gamma \rightarrow p + B^{11*}$. This possibility is now subjected to a detailed theoretical analysis in which the calculations are carried out for different values of the B^{11} excitation

Card 1/3

The role of nucleon...

S/903/62/000/000/030/044
B102/B234

energy. It can be shown that the probability of a decay of B^{11} into $Be^8 + H^3$ is greater by a factor of 20 than for a decay into $Li^7 + \alpha$. A determination of the probability ratio of $B^{11} \rightarrow Be^8 + H^3$ decays onto different levels ($0^+/2^+$) of the Be^8 nucleus gives good agreement with the experimentally found level $E_{B^{11}}^+ = 19$ Mev. The second maximum however may not be explained, also not by assuming successive emission of p and t. An analysis of the $C^{12}(\gamma, pt)2\alpha$ reaction shows that complex particles as α or t are emitted when excited nuclei decay. Such decays may be observed both in the region of giant resonance and at higher energies. In all cases the decay probabilities may be calculated with the shell model. At $E_\gamma = 60 - 70$ Mev a certain mechanism of "quasi- α -particle" absorption of γ -quanta is possible which leads to simultaneous emission of p and t and to "quasi-deuteron" absorption mechanism at higher γ -quantum energies. Finally the great importance of photonuclear reactions for investigating the inner nuclear shells is pointed out. In an appendix the formulas used for determining the decay widths

Card 2/3

The role of nucleon...

S/903/62/000/000/030/044
B102/B234

are derived bot for $\text{Be}^{11*} \rightarrow \text{Be}^8 + \text{H}^3$ and $\text{B}^{11*} \rightarrow \text{Li}^7 + \text{He}^4$. There are
5 figures and 2 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki, MGU im.
M. V. Lomonosova (Scientific Research Institute of Nuclear
Physics, MGU imeni M. V. Lomonosov)

Card 3/3

BALASHOV, V. V.

Nature of collective dipole excitations of atomic nuclei.
Izv. AN SSSR. Ser. fiz. 16 no.12:1459-1469 D '62.
(MIRA 16:1)

1. Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo uni-
versiteta im. M. V. Lomonosova.

(Photonuclear reactions)
(Dipole moments)

BALASHOV, V.V.; TULINOV, A.F.

Giant resonance of spin wave excitation in atomic nuclei. Zhur.
eksp. i teor. fiz. 43 no.2:702-705 Ag '62. (MIRA 16:6)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.
(Protons—Scattering) (Nuclei, Atomic)

BALASHOV, V.V.

On the mechanism of inelastic scattering of γ -quanta on nuclei.
Zhur.eksp.i teor.fiz. 43 no.6:2199-2203 D '62. (MIRA 161)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo
universiteta.

(Gamma rays—Scattering)

BALASHOV, V.V.

An experimental possibility of studying the mechanism of the
(t, d) reaction. Zhur. eksp. i teor. fiz. 45 no.3:541-543 3 '63.
(MIRA 16:10)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo
universiteta.

(Nuclear reactions)

BALASHOV, V.V., FETISOV, V.N.

Theory of photodisintegration of light nuclei with emission
of fast deuterons. Zhur. eksp. i teor. fiz. 45 no.3:532-540
S '63. (MIRA 16:10)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.
(Nuclear reactions) (Deuterons)

BALASHOV, V.V.; ROTTER, I.; ZRELOVA, N.N., tekhn. red.

[Relation between shell model and "cluster" model excitations in light nuclei] O svyazi obolochechnykh i "klasternykh" возбуждений в легких ядрах. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 10 p. (MIRA 17:4)

YAKHTENFELD, P.A., prof.; BALASHEV, V.V., aspirant

Erroneous concepts in recommendations. Zhurnal 26 no.9:
93-95 S '64. (MIRA 17:11)

1. Volgogradskiy sel'skokhozyaystvennyy institut.

BALASHOV, V.V.; KORENMAN, G.Ya.; MACHARADZE, T.S.

Partial transitions in the photoproduction of charged π^- -mesons on
light nuclei. IAd. fiz. 1 no.4:668-675 Ap '65. (MIRA 18:5)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.

BALASHOV, V.V.; BOYARKINA, A.N.; TULINOV, A.F.

Effect of the excited states of an intermediate nucleus on the reactions
of cluster substitution. Izv. AN SSSR. Ser. fiz. 29 no.7:1160-1165 J1
'65.
(MIRA 18:7)

BALASHOV, V.V ; MAYLING, L.; RAMAZANOVA, L.A.; SHITIKOVA, K.V.; YADROVSKIY,
Ye.L.

Characteristics of the photodisintegration of nuclei with unfilled
shells. Izv. AN SSSR. Ser. fiz. 29 no.7:1177-1183 J1 '65. (MIRA 18:7)

BALASHOV, Y.Y.; DOLESHAL, P.; KORENMAN, G.Ya.; KOROTKIKH, V.L.;
FETISOV, V.N.

Effect of "shape resonances" on channel coupling in nuclear
reactions. Izd. fiz. 2 no.4:643-656 0 '65. (MIRA 18:11)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo
universiteta.

BALASHOV, V.Ye.

Experimental laboratory drying apparatus for radiation-con-
vection drying. Izv.vys.ucheb.sav.; pishch.tekh. no.2:83-86
'59. (MIRA 12:8)

1. Leningradskiy tekhnologicheskii institut pishchevoy promyshlen-
nosti.

(Drying apparatus--Food)

BALASHOV, V.Ye.

Investigating the radiation-convection drying of brewery
malt. Izv.vys.ucheb.zav.; pishch.tekh. no.4:130-136
'59. (MIRA 13:2)

1. Leningradskiy tekhnologicheskii institut pishchevoy promy-
shlennosti. Kafedra oborudovaniya pishchevykh predpriyatiy.
(Malt--Drying)

BALASHOV, V. ^{ye} ~~B.~~, Cand Tech Sci -- "Study of the process of
radioconvection^{ye} drying of ~~the~~ clear malt." Kiev, 1961.
(Min of Higher and Sec Spec Ed UkSSR. Kiev Technol^{inst} Inst
of the Food Indus^{ty} (KL, 8-61, 241)

- 200 -

BALASHOV, V.Ye.

Blood picture of individuals working with mercury and its organic compounds. Vrach.delo no.6:625-627 Ja '59. (MIRA 12:12)

1. Kafedra gigiyeny truda (sav. - chlen-korrespondent AMN SSSR, prof. G.Kh. Shakhbasyan) Kiyevskogo meditsinskogo instituta.
(BLOOD) (MERCURY--PHYSIOLOGICAL EFFECT)

BALASHOV, V.Ye.

Hydrothermal conductivity of brewer's malt. Izv. vys. ucheb.
zav.; pishch. tekhn. no.2:123-128 '60. (MIRA 14:7)

1. Leningradskiy tekhnologicheskiy institut pishchevoy
promyshlennosti kafedra oborudovaniya pishchevykh predpriyatiy.
(Malt-Thermal properties)

BALASHOV, V.Ye.

Experimental data on changes in the body following the use of the insecticide and fungicide, mercuran. Vrach. delo no.4:115-119 Ap '61.
(MIRA 14:6)

1. Kafedra gigiyeny truda (zav. - chlen-korrespondent AMN SSSR, prof. G.Kh. Shakhbasyan) Kiyevskogo meditsinskogo instituta.
(MERCURAN) (INSECTICIDES)

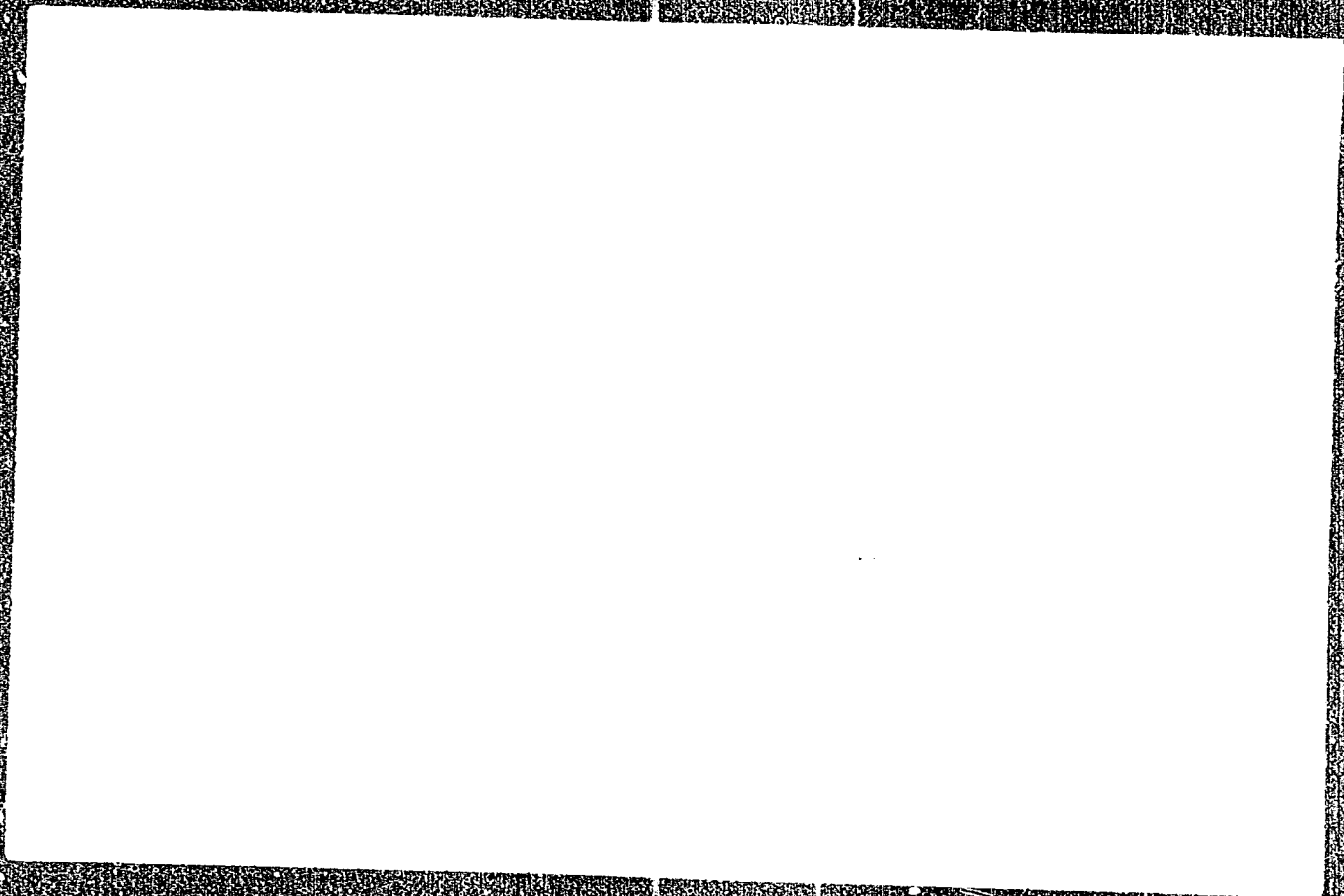
BALASHOV, V.Ye.

Toxicological characteristics of a new insecticide mercuran.
Oig.1 san. 26 no.1:40-44 Ja '61. (MIRA 14:6)

1. Is kafedry gigiyeny truda Kiyevskogo meditsinskogo instituta.
(INSECTICIDE—TOXICOLOGY)

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103



APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103

ORIGOR'YEV, V.K.; BALASHOV, Ye.O.

Hydraulic ejection equipment used for pumping petroleum from
tank-vessels. Biul.tekh.-ekon.inform. no.6:71-72 '58. (MIRA 11:8)
(Petroleum--Transportation)

AUTHORS: Balashov, Ye.K.; Ilyukovich, A.M.; Shargorodskiy, A.L. SOV-115-58-4-31/45

TITLE: Some Problems of Calculating Electric Power (O nekotorykh voprosakh uchëta elektroenergii)

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 4, pp 74-75 (USSR)

ABSTRACT: The author adduces tables and graphs to show that Soviet ac electric power meters have a large error at loads of less than 5% nominal rating. He advocates an improvement of the loading curve from 5-20% nominal rating by decreasing the error deriving from non-linear relationship between loading current and operating current in the series circuit. The GOST standards relating to ac meters should be revised to bring them into line with international practice, i.e. the minimum load under which the meter's error is regulated should be 5% nominal rating, instead of the present 10%. There are 2 graphs, 1 table and 1 Soviet reference.

1. Electrical energy--Measurement

Card 1/1

~~BALASHOV~~ ~~X-R~~

Using dry graphite lubricant for pantographs. Elek. 1 tepl. tiaga
2 no.10:28-29 0 '58. (MIRA 11:11)

1. Zamestitel' nachal'nika elektrodopo Panki Moskovsko-Ryazanskoy
dorogi.

(Pantograph)

(Graphite)

ACCESSION NR: AP 1005679

SOURCE: 1005679, 004, 000, 000

AUTHOR: Balashov, Ye. P.; Gonkin, V. L.; Sorokin, M. S.

TITLE: Magnetic internal storage of high reliability

SOURCE: IVUZ. Priborostroyeniye, v. 6, no. 4, 1963, 63-70

TOPIC TAGS: storage, memory, internal storage

ABSTRACT: A diode-digit-access internal storage of rectangular-hysteresis-loop ferrite-core type is described. The recording and readout of information are carried out by full currents which substantially reduces the stability requirement of the current source and increases the reliability of the storage. A storage block diagram is presented and discussed. Experiments were carried out with a 32-address, 30-digit storage. P13A and P201A transistors and VT-5 ferrites were used. The storage is eventually intended for a "special-purpose digital computer." Orig. art. has: 4 figures.

ASSN: Leningrad Electrotechnical Institute.

Card 1/2/

BALASHOV, Ye.P.; GENKIN, V.L.

Some principles of the plotting of storage units with ferrite
cores and total-flux recording. Izv. vys. ucheb. zav.; prib.
6 no.5:20-26 '63. (MIRA 16:11)

1. Leningradskiy elektrotekhnicheskiy institut imeni V.I.
Ul'yanova (Lenina). Rekomendovana kafedroy schetno-reshayushchey
tekhniki.

ACCESSION NR: AP4037465

8/0146/64/007/002/0065/0073

AUTHOR: Balashov, Ye. P.

TITLE: Possible methods of constructing series accumulators with ferrite cores

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 2, 1964, 65-73

TOPIC TAGS: accumulator, series accumulator, square loop ferrite accumulator, binary accumulator

ABSTRACT: The advent of contactless magnetic elements (square-loop ferrites) made new ideas possible in constructing series-type accumulators. The accumulating element must have only four stable states. These types of accumulating elements are briefly considered: (a) with filling 1; (b) with advancing 1; (c) with using the choke effect; (d) with compensation of the magnetic flux. It is claimed that the above principles simplify the structural scheme of the series accumulator, cut down the quantity of equipment necessary, enhance reliability, and provide a

Cord 1/2

ACCESSION NR: AP4037465

moderate speed of operation. Orig. art. has: 4 figures, 13 formulas, and 3 tables.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im. V. I. Lenina
(Leningrad Electrotechnical Institute)

SUBMITTED: 02Mar63

DATE ACQ: 05Jun64

ENCL: 00

SUB CODE: DP

NO REF SOV: 005

OTHER: 000

Card 2/2

BALASHOV, Yevgeniy Pavlovich; MAYOROV, S.A., red.

[Full-current magnetic memory device using diode-
magnetic core memory cells] Polnotochnoe magnitnoe
zapominaushchee ustroystvo s ferrit-diodnoi iacheikoi
pamiati. Leningrad, 1964. 18 p. (MIRA 17:11)

BALASHOV, Yevgeniy Pavlovich; SMOLOV, V.B., red.

[Design of the magnetic system of memory devices using ferrite cores with rectangular hysteresis loops.] Proektirovaniye magnitnoi sistemy zapominaiushchikh ustroystv na ferritovykh serdechnikakh s priamougol'noi petlei gisteriza; stenogramma lektsii. Leningrad, 1963. 39 p.
(MIRA 17:6)

BALASHOV, Ye.F.; STOLOV, V.B., kand. tekhn. nauk, dots., otv. red.

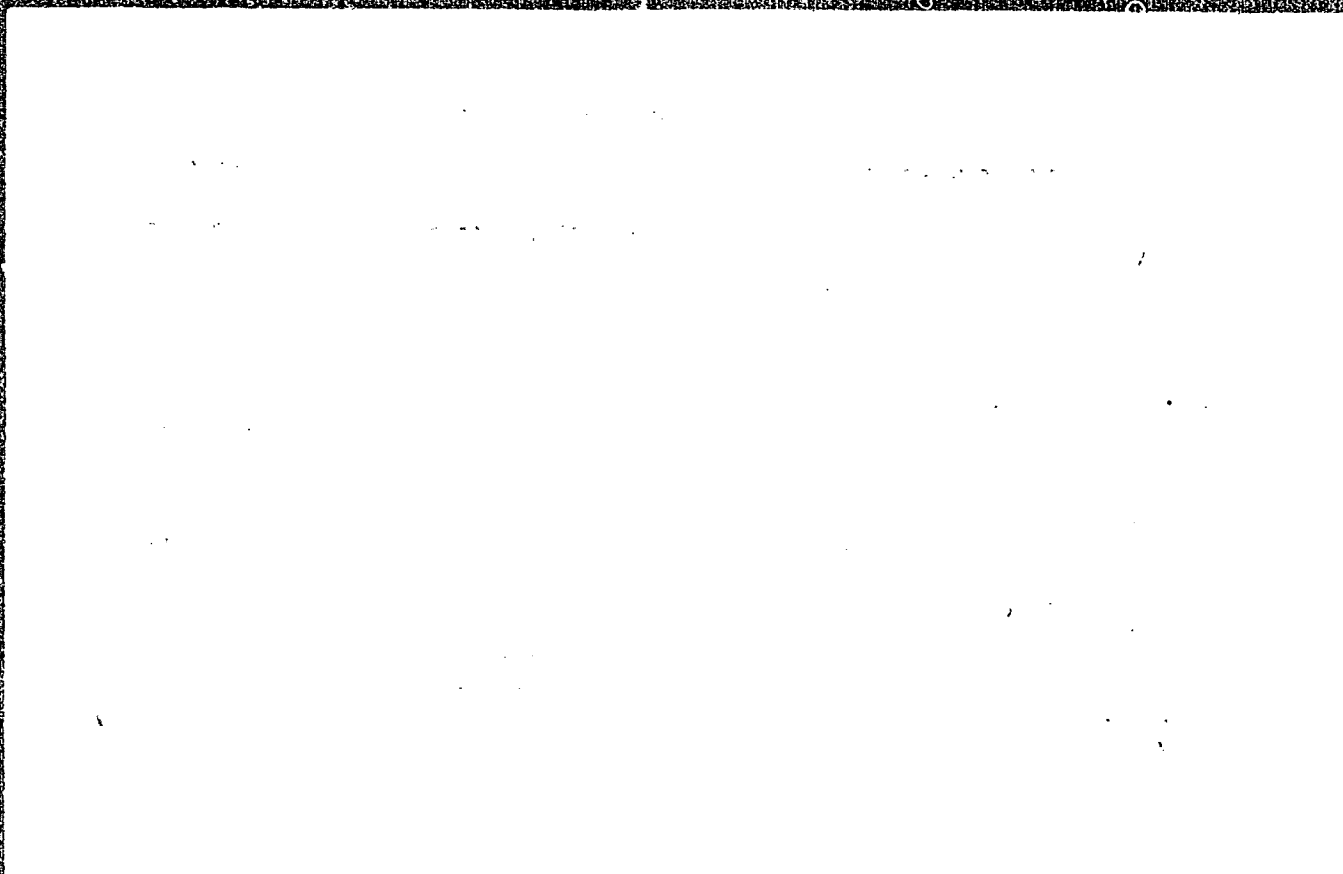
[Design of magnetic-core components and systems of
electronic computers; a textbook] Proektirovanie magnit-
nykh elementov i ustroystv elektronnykh vychislitel'nykh
maschin; uchebnoe posobie. Leningrad, Leningr. elektrotekhn.
in-t, 1964. 290 p. (MIRA 17:10)

SMOLOV, Vladimir Borisovich; LEBEDEV, Andrey Nikolayevich;
SAPOZHNIKOV, Konstantin Andreyevich; DUBININ, Yakov
Ivanovich; SMIRNOV, Nikolay Anisimovich; BODUNOV,
Vasilii Pavlovich; UGRYUMOV, Yevgeniy Pavlovich;
YATSENKO, Vladimir Pavlovich. Prinimali uchastiye:
BALASHOV, Ye.P.; AFANAS'YEV, Ye.Ye.; SEMENOVA, M.T.,
red.; GRIGORCHUK, L.A., tekhn. red.

[Elect. -ic analog computers] Vychislitel'nye mashiny
nepreryvnogo deistviia. [By] V.B.Smolov i dr. Moskva,
Vysshiaia shkola, 1964. 552 p. (MIRA 17:3)

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CIA-RDP86-00513R000103



APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103

ACCESSION NR: AP5011738

DIFFERENTIATION AND A TYPICAL WOOD SPECIES

L. 44773-65

ACCESSION NR: AP5011738

with a schematic representation of the input circuitry of the device. The computer has provided a stable accuracy in the determination of t_c not worse than 0.5% of $(t_c)_{\max}$. Weighing 1.5 kg and measuring 600 X 350 X 100 mm, the device has only 10 valves. Orig. art. has: 3 figures and 4 formulas.

ASSOCIATION: Leningradskiy elektrotekhnicheskij institut im. V. I. Ul'yanova
(Leningrad Institute of Electrical Engineering)

SUBMITTED: 19Jun64

ENCL: 00

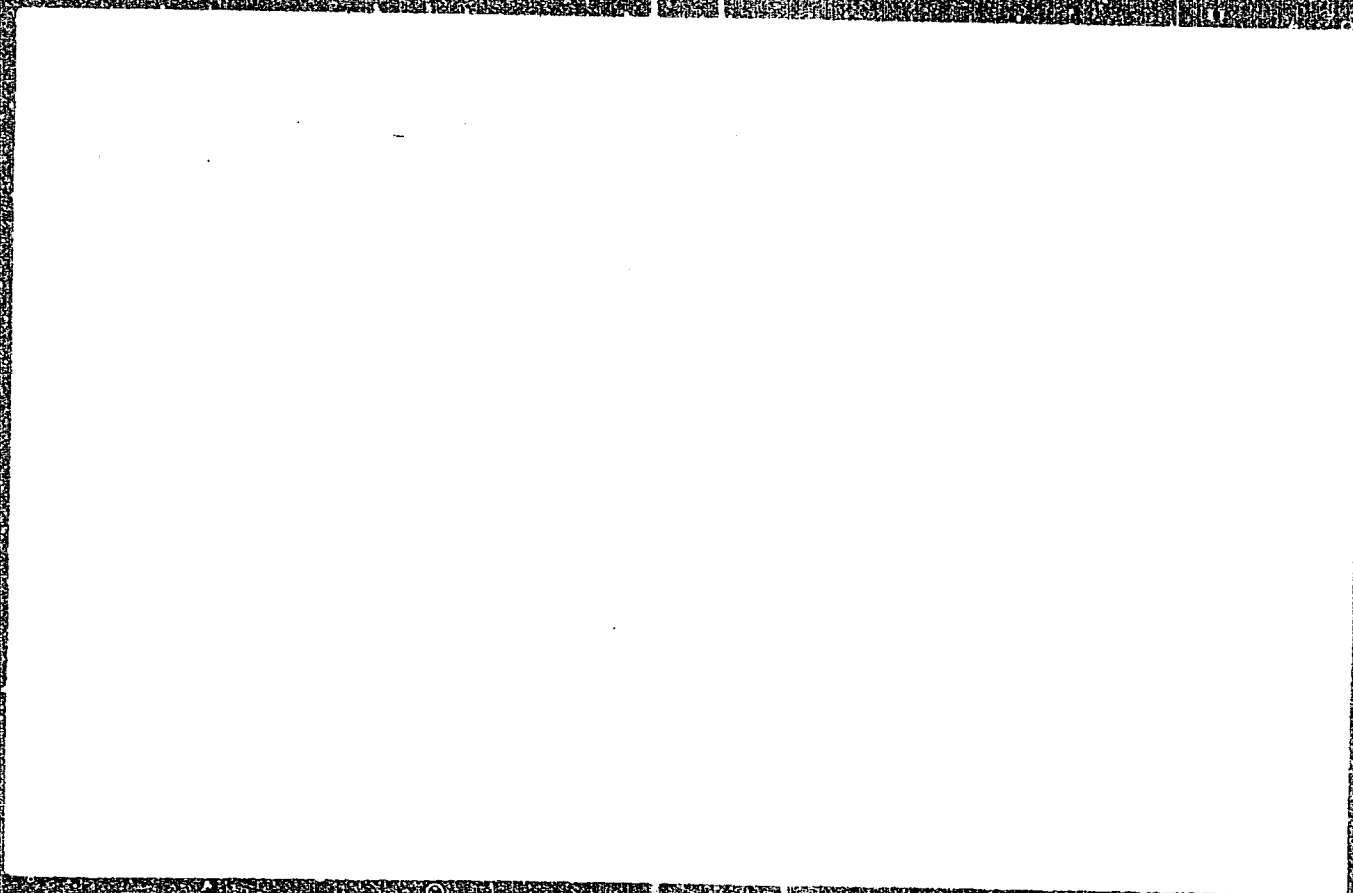
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NO REF SOV: 001

OTHER: 000

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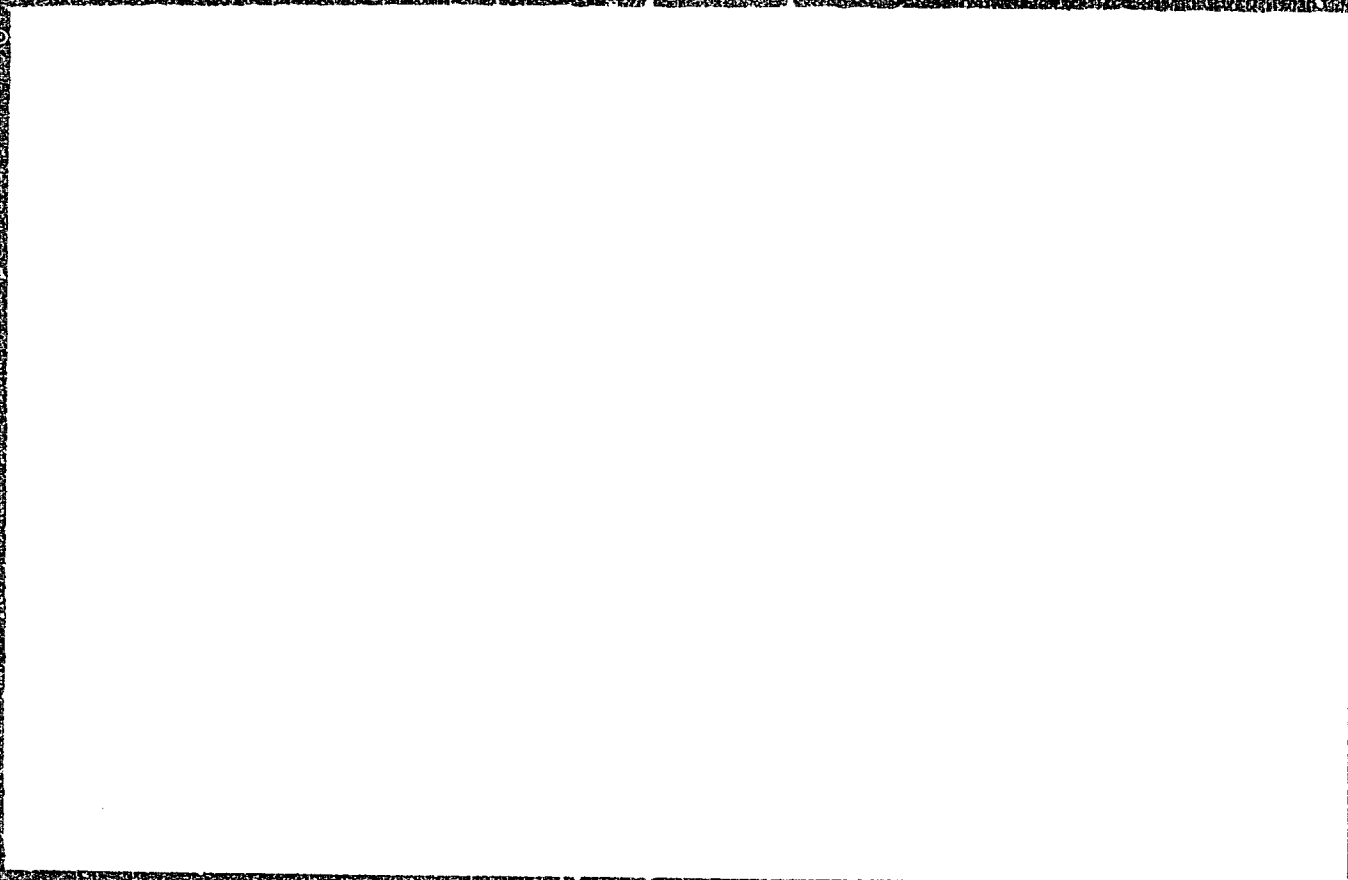


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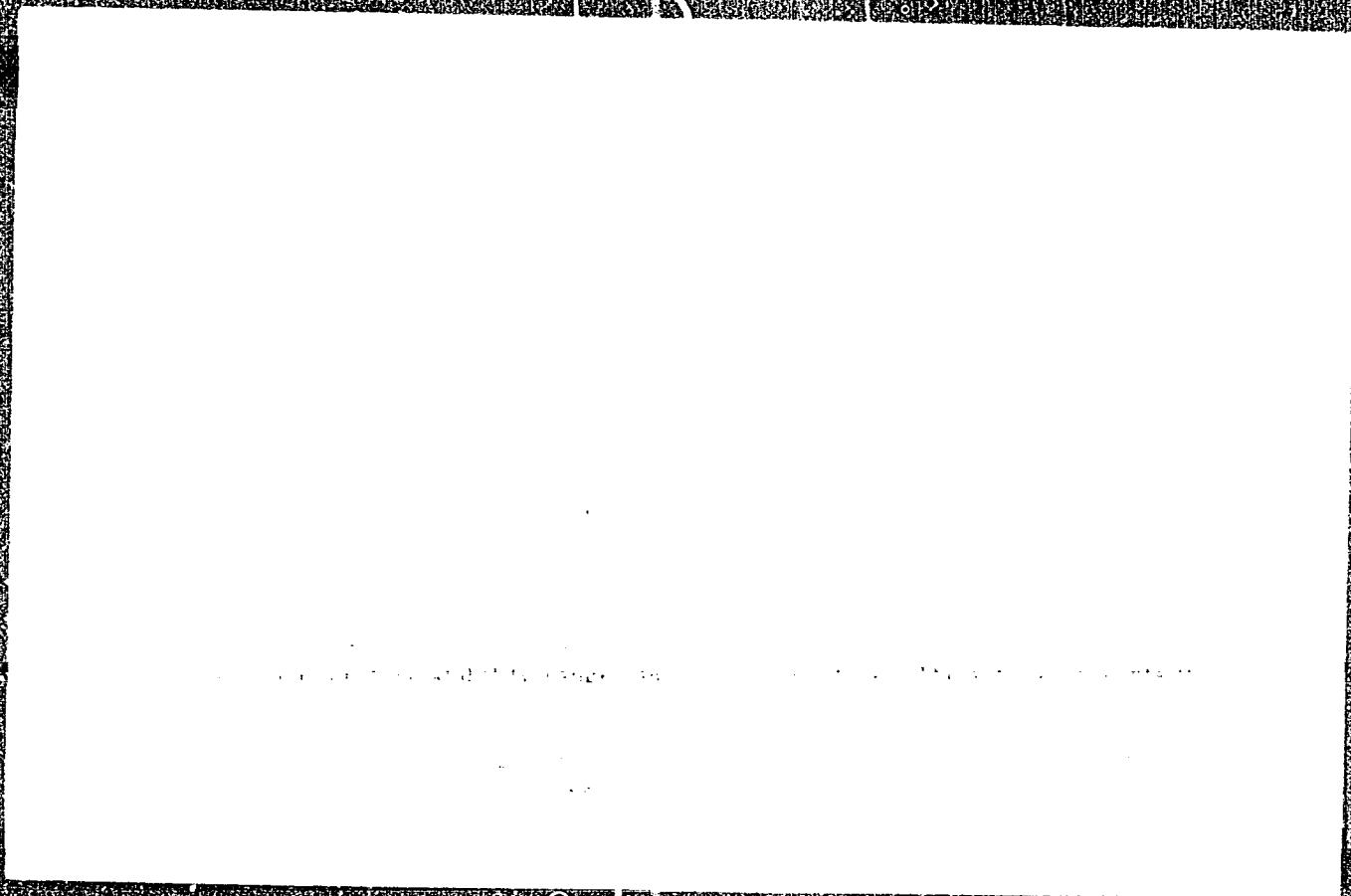
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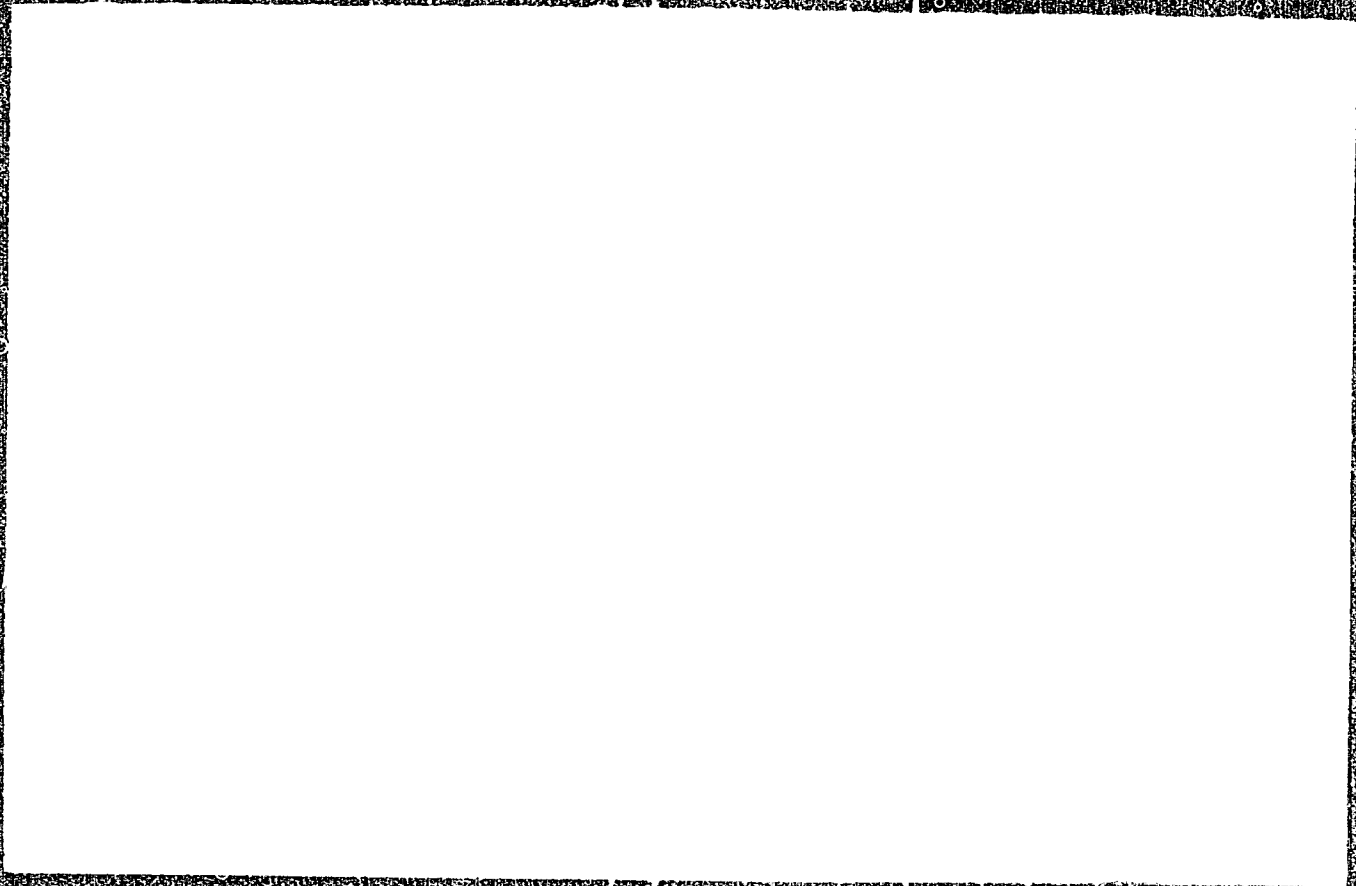


Card 2/2

1. PERSONALITY

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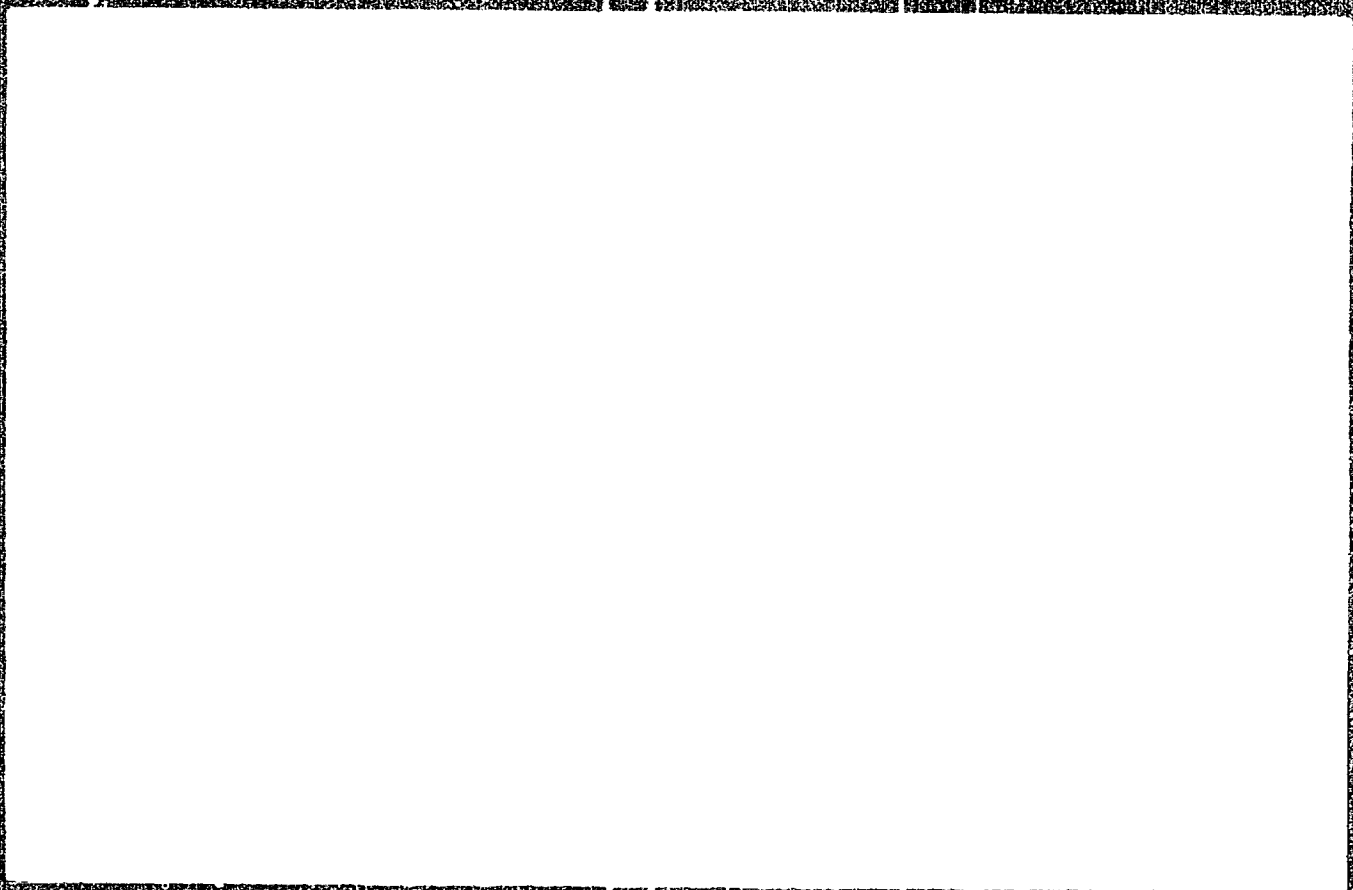


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APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103

PREOBRAZHENSKIY, Aleksey Alekseyevich, dots., kand. tekhn. nauk;
BALASHOV, Ye.P.; RAYTSIN, D.G.; DROZDOV, N.G.; prof.,
retsenzent; KIFER, I.I., dots., retsenzent; DANILOVA,
V.V., red.

[Magnetic materials] Magnitnye materialy. Moskva, Vysshaya
shkola, 1965. 234 p. (MIRA 18:10)

1. Moskovskiy institut stali i splavov (for Kifer). 2. Le-
ningradskiy elektrotekhnicheskii institut imeni Ul'yanova
(for Preobrazhenskiy).

L 05093-67 EMI(d)/ENF(1) LJP(c) BB/GG

ACC NR: AP6013304

SOURCE CODE: UR/0413/66/000/008/0098/0098

AUTHORS: Balashov, Ye. P.; Gerkin, V. L.

ORG: none

TITLE: An operational storage device.^{16c} Class 42, No. 180856

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no. 8, 1966, 98

TOPIC TAGS: ferrite core memory, computer memory, computer storage device

ABSTRACT: This Author Certificate presents an operational storage device made up of storage cells. Each of these memory cells contains two ferrite cores with a rectangular hysteresis loop. One of these cores is a storage core and the other is a gating core. These cores are connected by a coupling loop (see Fig. 1). The design increases the reliability and reduces the requirements for control equipment of the device. Reading tie lines are connected to all storage cores and gating cores of each quantity. A compensation tie line passes through all the storage cores of each quantity. A recording tie line passes through all the gating cores of each quantity. A recording discharge tie line passes through the gating cores of one discharge of all quantities.

Cord 1/2

UDC: 681.142

L 05093-67

AGC NR: AP6013304

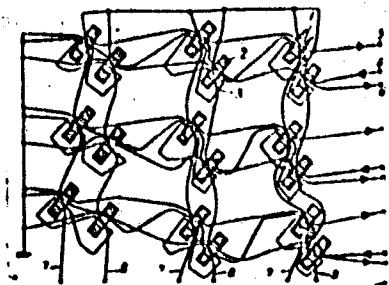


Fig. 1. 1 - storage core; 2 - gating core;
3 - coupling loop; 4 - reading tie line; 5 -
compensation tie line; 6 - recording tie line;
7 - discharge winding; 8 - discharge tie line

Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 18Jul 62

Card 2/2 *LC*

ACC NR: AP7001382

(A,N)

SOURCE CODE: UR/0413/66/000/021/0054/0054

INVENTOR: Balashov, Ye. P.; Sidorov, V. M.

ORG: none

TITLE: A magnetic element. Class 21, No. 187835 [announced by Leningrad Electrotechnical Institute im. V. I. Ul'yanov (Leningradskiy elektrotekhnicheskiy institut)]

SOURCE: Izobrateniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 54

TOPIC TAGS: logic element, pulse storage

ABSTRACT: An Author Certificate has been issued for a magnetic element for storing a pulse count. The device contains a transfluxor with several apertures with a

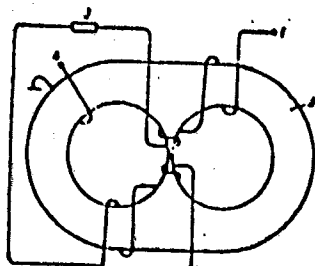


Fig. 1. Magnetic element

1 - Input; 2 - core; 3 - delay line;
4 - output.

Card 1/2

UDC: 681.142.07

ACC NR: AP 7001382

priming, a read-write, and an output winding (see Fig. 1). To increase reliability it is equipped with a delay element. The priming winding is mounted on one end cross-connector and a central cross-connector of the transfluxor and, through the delay element, is connected to the read-write winding which is mounted on the central and the second end cross connector. The output winding also lies on this last cross-connector. The cross section of the central cross-connector is not equal to that of the end cross-connectors. Orig. art. has: 1 figure. [JR]

SUB CODE: 09/ SUBM DATE: 22Nov65/ ATD PRESS: 5110

Card 2/2

ACC NR: AP7001380

(A,N)

SOURCE CODE: UR/0413/66/000/021/0053/0053

INVENTORS: Balashov, Yo. P.; Smirnov, V. B.

ORG: none

TITLE: Two-hole transfluxor logic element. Class 21, No. 187832

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 53

TOPIC TAGS: logic element, magnetic circuit

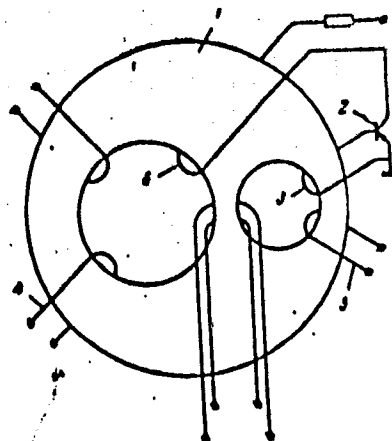
ABSTRACT: This Author Certificate presents a two-hole transfluxor logic element for executing the functions "AND", "OR", "EXCLUSION", and "PROCEED" spaced in the period of the input quantities, which contains setting, exclusion, and output windings. To increase the load capacity of the element, it contains a transistor with a winding connected to its base, which passes through the small hole of the transfluxor (see Fig. 1). The element also contains a collector winding passing through the large hole and a record winding encompassing the center crosspiece of the transfluxor. One of the exclusion windings passes through the large hole and the other--through the small hole.

Cord 1/2

UDC: 681.142.07

ACC NR: AP7001380

Fig. 1: 1 - transfluxor; 2 - transistor;
3 - base winding; 4 and 5 - exclusion
windings; 6 - collector winding



Orig. art. has: 1 diagram.

SUB CODE: 09/ SUBM DATE: 30Jul65

Cord 2/2

ACC NR: AR7004320

SOURCE CODE: UR/0271/66/000/011/B024/B024

AUTHOR: Balashov, Ye. P.; Genkin, V. L.; Smolov, V. B.; Chernyavskiy, Ye. A.

TITLE: Efficiency and reliability of magnetic internal storages

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 11B189

REF SOURCE: Izv. Leningr. elektrotekhn. in-ta, ch. 2, vyp. 56, 1966, 117-120

TOPIC TAGS: digital computer, computer reliability, *computer storage device, computer design, reliability engineering*

ABSTRACT: Criteria for evaluating magnetic internal storages of digital computers are defined. Informational efficiency is a product of storage capacity and access rate. Design efficiency is determined by the size, weight, and power consumption per unit efficiency of informational capacity. Information reliability is a ratio of maximum noise to minimum desirable signal in destroyed-information readout. Design reliability is a product of initial operable-condition probability and a probability of operable condition over the work period. The above criteria determine the technical operability of storages from various aspects. Bibliography of 2 titles. Ye. P.
[Translation of abstract]

SUB CODE: 09, 14

Card 1/1

UDC: 681.142.652.2

ARONSON, V.Ye.; BALASHOV, Ya.T.; BERMAN, S.A.; BYZER, B.I.; KALININ, N.A.;
MAKHONIN, A.K.; MASHEV, N.U.; TOKAREV, V.P.

Plans for commercial prospecting for the Zhetybay and Uzen'
deposits. Trudy VNIGRI no.218:62-73 '63. (MIRA 17:3)

BALASHOV, Ye.v.; BARASH, B.I.; GRACHEV, G.I.; SOKOLOV, V.Ya.

Geology of the Farab anticline. Trudy VNIGNI no.30:88-96 '61.
(Farab region (Turkmenistan)--Petroleum geology) (MIRA 14:9)

BALASHOV, Ye.V.

Stratigraphy and basic stages of the geological history of the Chu
downwarp. Trudy VNIGNI no.30:205-220 '61. (MIRA 14:9)
(Chu Valley--Geology)

BALASHOV, Yu.A.; TURANSKAYA, N.V.

Specific features of the concentration of rare-earth elements in
endialytes and loparites of the Lovozero massif. Geokhimiia no.2:
121-130 '60. (MIRA 13:6)

1. V.I.Vernadsky Institute of Geochemistry and Analytical Chemistry,
Academy of Sciences, U.S.S.R., Moscow.

(Lovozero Tundras--Rare earths)

(Endialyte)

(Loparite)

BALASHOV, Yu.A.; TURANSKAYA, N.V.

Distribution patterns of rare earth elements in rocks of the differentiated complex of the Lovozero alkaline massif in connection with some problems related to the genesis of the complex. *Geokhimiia* no. 8:701-713 '60. (MIRA 14:1)


I. V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Sciences, U.S.S.R., Moscow.
(Lovozero Tundra--Rare earth metals)

S/075/60/015/004/014/030/XX
B020/B064

AUTHORS: Savvin, S. B., Volynets, M. P., Balashov, Yu. A., and
Bagreyev, V. V.

TITLE: Photometric Determination of Microquantities of Thorium in
Rocks by Means of Arsenazo II

PERIODICAL: Zhurnal analiticheskoy khimii, 1960, Vol. 15, No. 4,
pp. 446 - 451

TEXT: The reagent arsenazo II is an improved analog of the reagent
arsenazo (Uranon) (Ref. 6); its synthesis has been described in Ref. 1. 
Arsenazo II has a number of advantages over arsenazo I and many other
reagents suggested for determining thorium; its chief advantage is that Th
can be determined in sufficiently acid solutions (0.1 - 0.6 N HCl), and in
the presence of rare earths, sulfates, phosphates, etc. In acid solutions
arsenazo II reacts with Th, Zr, Ti, U^{IV} , and Fe^{III} , in weakly acid and
neutral solutions with Al, U^{VI} , Cr, Cu, ΣTR , etc. Fig. 1 shows the
absorption curve of the reagent and its Th compound. The selectivity of
Card 1/4

Photometric Determination of Microquantities of Thorium in Rocks by Means of Arsenazo II S/075/60/015/004/014/030/XX
B020/B064

determining Th with arsenazo II is also warranted by the proper choice of the acid concentration and the use of masking substances. In 0.2 N HCl, the effect of almost all other elements is reduced to a minimum, and the masking of thorium by phosphates and sulfates is still slight. Large amounts of Zr and Ti have a disturbing effect, small amounts can be masked by adding of phosphates. 2γ Ti, 3γ Zr, 4-8γ Nb, and Ta, 5γ Fe^{III}, 5γ Cr^{III}, 5γ Mo, V, and W, 40γ U^{VI}, 0.5 - 1 mg Al, and 10 - 150 mg K, Na, Ca, Mg, ΣTR, and Fe^{II} do not affect the determination of 10γ Th. The limit is 5 - 10γ Th. The analyzed substance is decomposed by two- or threefold evaporation with hydrofluoric acid, the majority of Zr, Ti, Nb, Ta, Al, Fe, U^{VI} are separated by the formation of soluble fluoride complexes, and thorium is precipitated together with the rare earths and calcium which are its carrier substances. Variants of the separation method are given. In the fluoride method, precipitation is repeated by the action of hydrofluoric acid upon the hydroxide precipitate obtained after the dissolution of the first fluoride precipitate in hydrochloric acid and precipitation in ammonia. In the fluoride-oxalate method, after the decomposition of the

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Photometric Determination of Microquantities of Thorium in Rocks by Means of Arsenazo II S/075/60/015/004/014/030/XX
B020/B064

sample with fluorides and removal of the fluoride ion by evaporation with $\text{HCl} + \text{HClO}_4$, homogeneous coprecipitation of thorium with the oxalates of rare earths or calcium with acetone dioxalic acid was carried out at the acid concentration suggested by V. I. Kuznetsov and I. V. Nikol'skaya (Ref. 7), and P. V. Zaykovskiy and L. I. Gerkhardt (Ref. 8) for calcium. The oxalates were filtered off, annealed, the oxides dissolved in $\text{HCl}(1:10)$, and thorium photometrically determined with arsenazo II. The analysis took one day. The chromatographic separation of the impurities by ion exchange on the Soviet resin KY-2 (KU-2) in the H-form (100 mesh) is described. Table 1 shows the ratio between thorium and some impurities before and after separation, thus proving that all separation methods examined give satisfactory results. The degree of thorium extraction was determined by means of its radioisotope UXI and by measuring the soft β -radiation UXII with which it is in equilibrium. The total thorium losses amount to a maximum of 12-14%. Table 2 shows the results of thorium determinations by the three methods mentioned. They indicate that two methods, i.e., double fluoride precipitation (time of analysis, 6-8 hours) and fluoride-oxalate precipitation (time of analysis, 24 hours) can be recommended. Fig. 1

Card 3/4

Photometric Determination of Microquantities of Thorium in Rocks by Means of Arsenazo II S/075/60/015/004/014/030/XX
B020/B064

shows the absorption curve of a $2.5 \cdot 10^{-5}$ M arsenazo II solution and a Th-arsenazo II solution of the same concentration. Fig. 2 shows a calibration curve for thorium. There are 2 figures, 2 tables, and 12 references: 10 Soviet and 2 US.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V.I.Vernadskogo AN SSSR, Moskva (Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy of the AS USSR, Moscow)

SUBMITTED: June 1, 1959

Card 4/4

ZLOBIN, B.I.; BALASHOV, Yu.A.

Distribution and relationship of rare earth elements in the
alkaline plumbite series: essexite-nepheline syenite.
Geokhimiia no.9:784-788 '61. (MIRA 15:2)

1. V.I. Vernadskiy Institute of Geochemistry and Analytical
Chemistry, Academy of Sciences U.S.S.R., Moscow.
(Rare earth metals)

BALASHOV, Yu.A.; KHITROV, L.M.

Distribution of rare earth metals in waters of the Indian Ocean. *Geokhimiia* no.9:796-806 '61. (MIRA 15:2)

1. V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Sciences U.S.S.R., Moscow.
(Indian Ocean—Rare earth metals)

BALASHOV, Yu.A.; TURANSKAYA, N.V.

Rare earth elements in the eudialyte complex of the Lovozero
alkaline massif. Geokhimiia no.12:1087-1098 '61. (MIRA 15:3)

1. Vernadsky Institute of Geochemistry and Analytical Chemistry,
Academy of Sciences, U.S.S.R., Moscow.
(Lovozero Tundras—Rare earth metals)

BALASHOV, Yu.A.

Evolution of the composition and content of rare earth elements
in intrusive phases of the Lovozero alkali massif (Kola Peninsula).
Geokhimiia no.3:207-219 '62. (MIRA 15:4)

1. Vernadsky Institute of Geochemistry and Analytical Chemistry
Academy of Sciences, U.S.S.R., Moscow.
(Lovozero Tundras--Rare earth metals)

BALASHOV, Yu.A., TURANSKAYA, N.V.

Rare earth elements in peridotite of the Polar Urals. *Geokhimiya*
no.4:377-378 '62. (MIRA 16:7)

1. Institut geokhimii i analiticheskoy khimii imeni Vernadskogo
AN SSSR, Moskva.

(Ural Mountains—Rare earth metals)

BALASHOV, YU. A.

Dissertation defended for the degree of Candidate of Geologo-
Mineralogical Sciences at the Institute of Geochemistry and
Analytical Chemistry imeni V. I. Vernadskiy in 1962:

"Regularities in the Distribution of Rare-Earth Elements in
Alkaline Rocks."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

BALASHOV, Yu.A.

Characteristics of the distribution of crustal rare earth elements. Geokhimiia no.2:99-114 F '63. (MIRA 16:9)

1. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Sciences, U.S.S.R., Moscow.

Yu.A. BALASHOV (USSR)

"Separation of the rare-earth elements in magmatic process."

Report presented at the Conference on Chemistry of the Earth's Crust, Moscow,
14-19 Mar 63.

BALASHOV, Yu.A.; DORFMAN, M.D.; TURANGHAYA, N.V.

Separation of cerium from rare-earth elements in the weathering
of oudialite. Trudy Min.muz. no.16:205-208 '65.

(MIRA 18:8)

UDC; 621.9.025.7; 621.9.041

ACC NR: AP6021249

ing conditions have a considerable effect on the process of electrochemical grinding. Potential of up to 50 v are used at a current density of up to 100 a/cm² for finishing hard alloys and up to 200-300 a/cm² for finishing steel. Recommended mechanical conditions are 25 m/sec wheel speed, 6 m/min or less workpiece feed and grinding depth of 1 mm or less. The optimum characteristics for diamond wheels with electrically conductive binder are A8-A12 grain size and 50-100% concentration. The approximate cost ratio of electrochemical to mechanical grinding of hard alloys is 1:4. The efficiency of electrochemical grinding increases with the area to be machined or the amount of metal which must be removed. Orig. art. has: 4 figures, 3 formulas.

SUB CODE: 13/ SUBM DATE: None/ ORIG REF: 006/ OTH REF: 002

Card 2/2

GRACHEV, G.I. [deceased]; BALASHOV, Ye.V.; BARASH, V.I.; KLESHCHEV, A.A.;
RASKIN, M.M.

Salt tectonics of the southeastern part of the Kara Kum Platform.
Sov.geol. 5 no.12:122-127 D '62. (MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut.

(Kara Kum—Salt domes)

BALASHOV, Yu.G. and MARIT, I.Ya.

(Lebedev Physical Inst. Acad. Sci. USSR)

"Interaction of Low Energy Deuterons with Deuterium and Tritium,"
paper submitted at the All-Union Conf. on Nuclear Reactions in Medium and Low
Energy Physics, Moscow, 19-27 Nov 57.

REDA, G.H., Arab.; BELASHAN, B.A., Arab.

ISVITOVA, R.Z., kand. tekhn. nauk; BALASHOV, Yu.N., inzh.

Investigation of the performance of angular supporting elements
of the metal spans of railroad bridges. Sber. trid. MIRET
no. 328:59-71 '64. (HWA 18:12)

BALASHOV, Yu.V., inzh.

Calculation of the heating of the components of heat and power
generating equipment. Teploenergetika 12 no.8:91-93 Ag '65.

(MIRA 18:9)

1. Vostochnyy filial Vsesoyuznogo nauchno-issledovatel'skogo
teplotekhnicheskogo instituta imeni Dzerzhinskogo.

USSR/Biology - Parasitology

Card 1/1 : Pub. 22 - 41/41

Authors : Balashov, Yu. S.

Title : Characteristics of the daily dropping-cycle of blood-sucking female
Ixodes persulcatus from cows

Periodical : Dok. AN SSSR 98/2, 317-319, Sep 11, 1954

Abstract : Physiological data on the characteristics of the daily dropping-cycle of blood-sucking parasites *Ixodes persulcatus* (females) thriving on domestic animals (cows) are presented. Three references: 2-USSR and 1-USA (1915-1945). Tables.

Institution : Acad. of Sc. USSR, Institute of Zoology

Presented by : Academician E. N. Pavlovskiy, May 19, 1954

PALASHOV, Yu. S.

Disturbance of the cold and warm torpor temperature limits in the house fly under the influence of temperature changes of the surrounding atmosphere. Zool. zhur. 34 no. 2: 351-358. Apr-May '55.
(MIRA 8:6)

1. Kafedra zoologii bespozvonochnykh Leningradskogo gosudarstvennogo universiteta.

(Flies)

BALASHOV, Yu.S.

Changes in the weight of the cattle tick *Ixodes ricinus* during
feeding. Zool.shur. 35 no.1:29-31 Ja '56. (MLRA 9:5)

1. Zoologicheskii institut AN SSSR.
(Cattle tick)

BALASHOV, Yu.S.

Nutrition and spermatogenesis in ixodidae ticks. Dokl. AN
SSSR 110 no.6:1133-1136 0 '56. (MLRA 10:2)

1. Zoologicheskii institut Akademii nauk SSSR. Predstavleno
akademikom Ye.N. Pavlovskim.
(Ticks)

BRANOV, Yu. S., Master Biolog Sci-- (class) "The feeding characteristics of larks
ticks." Leningrad, 1957, 19 pp, (Zoological Inst of the AS USSR), 150 copies
(KL, No 40, 1957, p. 91)

BALASHOV, Yu. S.

Histological characteristics of digestion in ixodid and argasid
ticks. Paras. zbor. 17:137-167 '57. (MIBA 11:3)

1. Zoologicheskii institut AN SSSR.
(Ticks) (Digestive organs--Arachnida)

USSR/Zooparasitology - Acarina and Insect-Vectors of Disease
Pathogens.

G-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10101

Author : Balashov, Yu. S.

Inst : -

Title : Gonotropic Relationships in Ixodic Ticks (Acarina,
Ixodidae).

Orig Pub : Entomol. obozrenie, 1957, 36, No 2, 285-299

Abstract : On sample of Ixodes ricinus, Haemaphysalis punctat, Derma-
centor pictus, Rhipicephalus turanicus, and Hyalomma plum-
beum it was shown that females not impregnated on the 3-4
day markedly slow down or cease bloodsucking. Impregnated
females during this period rapidly increase in weight and
fall off in one or two days; at this time the quantity of
sucked blood exceeds the weight of the fasting tick 100
times. When males are planted feeding usually ends on the
3-4 day. Males of I. ricinus are capable of impregnation

Card 1/2

zoologicheskii institut Akademii
nauk SSSR, Leningrad.

USSR/Zooparasitology - Acarina and Insect-Vectors of Disease
Pathogens.

G-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10101

without prior feeding, the rest of the species only when they are sated. Hungry females of *I. ricinus* mated and then normally became satiated. The other species did not mate before feeding (with satiated males) and fed sparingly. Beginning in the initial hours of bloodsucking an impregnated female begins rapidly to grow its ovaries and lengthen its oviducts; in non-impregnated females these processes are considerably slowed. Ovipositing of impregnated females begins when they reach a minimum weight determined for each individual species; the quantity and viability of eggs under optimum conditions depends on the quantity of sucked blood. Females who did not suck in enough can repeatedly attach themselves and end feeding normally. Thus gonotropic harmony exists in normal nutrition; in partial nutrition it is disturbed.

Card 2/2

USCR/Zooparasitology - Mites and Insects as Disease Vectors.

G-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43437

Author : Balashov, Yu.S.

Inst : -

Title : Adaptation for Taking Large Quantities of Blood By Ixodic Ticks.

Orig Pub : Zool. zh., 1957, 36, No 6, 870-873.

Abstract : A study was conducted of all development stages in ticks *Ixodes persulcatus*, *I. ricinus*, *Hyalomma asiaticum*, and *Dermacentor pictus*. The chitin of these ticks possesses the ability, rare in arthropoda, of growing during the blood-sucking period, insuring by this ability the capacity to straighten out various striations while absorbing relatively enormous quantities of blood. Only the soft chitin of the alloscutum grows at the expense of thickening exo- and endocuticle. By the end of the blood-sucking period, 12-23 hours before dropping off, the cuticle

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USSR/Zooparasitology - Mites and Insects as Disease Vectors.

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Abs Jour : Ref Zhur - Biol., No 10, 1958, 43437

thickens 2-3 fold. Then a period of cuticle stretching begins at the expense of straightening out the folds of epicuticle and stretching of the exo- and endocuticle. When the tick falls off the cuticle continues to thicken at the expense of exocuticle, while the thickness of endocuticle diminishes. No growth of cuticle occurs in male ixodic ticks, in which the increase in body size at blood-sucking is manifested by straightening out folds of the soft chitin located between the spinal thorax and ventral thoraces and coxae. During blood-sucking there is a marked change in the structure of the tick intestinal walls. The small cylindrical cells in the intestines of a hungry tick, between which small non-differentiated cells are located, are markedly hypertrophied from the moment of blood-sucking and are transformed into glandular cells, the distal ends of which may be thrust into the intestinal lumen. The growth of intestines proceeds

Card 2/3

USSR/Zooparasitology - Mites and Insects as Disease Vectors.

G-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43437

due to increase in cell size as well as chiefly due to their rapid reproduction, which at first occurs mitotically throughout the entire intestinal surface; later the center of reproduction is localized in cellular rods resembling the crypts of insects' intestines. 12-24 hours before the tick falls off the crypts are converted into longitudinal folds; when these straighten out, also due to stretching of the cells, an inordinately powerful stretching of the intestinal tract occurs at the last, most energetic, period of blood-sucking.

Card 3/3

- 13

BALASHOV, YU S.

AUTHOR: None Given 30-58-4-34/44

TITLE: Dissertations (Dissertatsii).
Branch of Biological Sciences (Otdeleniye biologicheskikh nauk).
July-December 1957 (Iyul' - Dekabr' 1957)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, Nr 4,
pp. 119-120 (USSR)

ABSTRACT: 1) At the Botanical Institute imeni V. L. Komarov
(Botanicheskiy institut imeni V. L. Komarova) the
following dissertation for the degree of a Doctor
of Biological Sciences was defended:
R. Ye. Levina - Method of Propagation for Fruits and
Seeds (Sposoby rasprostraneniya plodov i
semyan).
2) At the Zoological Institute (Zoologicheskiy institut)
the following dissertations for the degree of a Can-
didate of Biological Sciences were defended:
Yu. S. Balashov - Nutrition Peculiarities of the Ixodic
Mites (Osobennosti pitaniya iksodovykh

Card 1/5

Dissertations. Branch of Biological Sciences.
July-December 1957

30-58-4-34/44

kleshchey).

- I. V. Stebayev - Fauna and Ecology of the Orthoptera Insects of the North-Western Prikaspiye (Fauna i ekologiya pryamokrylykh nasekomykh severo-zapadnogo Prikaspiya).
- 3) At the Institute for Biochemistry imeni A. N. Bakh (Institut biokhimii imeni A. N. Bakha) the following dissertations for the degree of a Candidate of Biological Sciences were defended:
 - I. N. Garkina - Methods of Distribution and Determination of Vitamin Substitutes (provitaminov) and of "D" Vitamin. (Metody raspredeleniya i opredeleniya provitaminov i vitaminov "D").
 - T. V. Drozdova - Phytin and its Transformations in Natural Processes (Fitin i yego prevrashcheniya v prirodnykh protsessakh).
 - B. F. Poglazov - Investigation of the Adenosin Triphosphatase of Muscles and of Some Plants.

Card 2/5

Dissertations. Branch of Biological Sciences.
July-December 1957

30-58-4-34/44

(Izucheniye adenozintrifosfatazmyshta i
nekotorykh rasteniy).

A. S. Spirin - Investigation of the Specificity of Species
(spetsifichnost') of Nucleinic Acids in Bac-
teria (Izucheniye vidovoy spetsifichnosti
nukleinovyykh kislot u bakteriy).

4) At the Institute for Higher Nerve Function (Institut
vysshey nervnoy deyatel'nosti) the following disser-
tations were defended:

a) for the degree of a Doctor of Medical Sciences:

N. G. Gartsshteyn - Investigation Test of the Nerve
Mechanisms of a Depression of Reaction
and Some Forms of Its Therapy (Opyt izu-
cheniya nervnykh mekhanizmov reaktivnoy
depressii i nekotorykh form yeye terapii).

N. I. Kozin - Injuries of the Higher and Vegetative Nerve
Function in Children Caused by Scarlet Fever.
(Narusheniya vysshey i vegetativnoy nervnoy
deyatelnosti pri skarlatine u detey).

Card 3/5

Dissertations. Branch of Biological Sciences.
July-December 1957

30-58-4-34/44

b) for the degree of a Candidate of Biological Sciences:
O. N. Vasil'yeva - Correlations Between Unconditioned
and Conditioned Motion Reflexes and De-
fence Reflexes in Overlapping (Vzaimoot-
nosheniye mezhdru bezuslovnymi i uslovnymi
dvigatel'nymi oboronitel'nymi refleksami
pri perekrytii).

c) for the degree of a Candidate of Medical Sciences:
Ye. D. Markova - Peculiarities of the Injury of the Neuro-
dynamics in an Amnesic Aphasia (Osobennosti
narusheniya neyrodinamiki pri amnestiches-
koy afazii).

5) At the Institute for Forestry (Institut lesa) the
following dissertations were defended:

a) for the degree of a Doctor of Biological Sciences:

A. I. Zrazhevskiy - Earth Worms as a Fertility Factor of
Forest Soils. (Dozhdevyye chervi kak
faktor plodorodiya lesnykh pochv).

b) for the degree of a Doctor of Agricultural Sciences:
V. V. Popov - Scientific Principles of Growing Broad-

Card 4/5

Dissertations. Branch of Biological Sciences.
July-December 1957

30-58 4-34/44

-Leaved Plantations in the Northern Variant
of the Timbered Steppe. (Nauchnyye osnovy
vyrashchivaniya shirokolistvennykh nasazhde-
niy v severnom variante lesostepi).

- a) for the degree of a Candidate of Biological Sciences:
V. M. Zubarev - Biological Reasons for the Possibility of
Transplanting Oak-Trees to the Northern
Districts of the European Part of the USSR.
(Biologicheskoye obosnovaniye vozmozhnosti
prodvizheniya duba chereschatogo v severnyye
rayony Yevropeyskoy chasti USSR).
- M. V. Nadezhdina - Dynamics of the Covering of Terrains
on the Slopes of Gorges in Connection
With Soil Erosion and With the Grazing of
Animals. (Dinamika rastitel'nogo pokrova
na sklonakh balok i ovragov v svyazi s
eroziyey pochv i vypasom zhivotnykh).

Card 5/5

1. Biology--Bibliography 2. Bibliography--Biology

BALASHOV, Yu.S.

Feeding characteristics of ixodid ticks [with summary in English].
Paras. sbor. 18:78-109 '58. (MIRA 12:3)

1. Zoologicheskii institut AN SSSR.
(Ticks)

BALASHOV, Yu.S.

Excretory processes and the activity of Malpighian vessels in
ixodid ticks [with summary in English]. Paras. sbor. 18:120-128
'58. (MIRA 12:3)

1. Zoologicheskiy institut AN SSSR.
(Ticks) (Malpighian vessels)